

Claim(s)

1. (Currently Amended) A current collector for an electrochemical device of the type that includes an ionically conductive electrolyte layer for gas generating, the invention comprising:
 - the current collector layer having a high electrical conductivity and being porous to desired gas generated by the electrochemical device; and,
 - the current collector layer being substantially formed as a film comprised of a layer of spherical ceramic refractory material objects having a conductive coating of a precious metal.
2. (Original) The invention of claim 1 wherein the precious metal is selected from the group consisting of silver, palladium, gold, or platinum, or alloys of these metals with other metals.
3. (Currently Amended) The invention of claim 1 wherein the refractory material is a metal oxide ceramic.
4. (Original) The invention of claim 1 wherein the refractory material is selected from the group consisting of zirconia, alumina, ceria, or perovskite.
5. (Currently Amended) A metal coated element for forming a current collector for an electrochemical device of the type that includes an ionically conductive electrolyte layer for gas generating, the invention comprising:
 - spherical ceramic refractory material objects having a conductive coating of a precious metal; and the coated spherical objects having a desired diameter suitable for forming into a desired film;
 - whereby the coated spherical objects can be formed into a current conducting film.
6. (Original) The invention of claim 5 wherein the precious metal is selected from the group consisting of silver, palladium, gold, or platinum, or alloys of these metals with other metals.

7. (Currently Amended) The invention of claim 5 wherein the refractory material is a metal oxide ceramic.

8. (Original) The invention of claim 5 wherein the refractory material is selected from the group consisting of zirconia, alumina, ceria, or perovskite.